Dart Aerospace Ltd. Thursday, 6/21/2007 2:35:03 PM Kim Johnston IJser: **Process Sheet** : DOUBLER Customer : CU-DAR001 Dart Helicopters Services **Drawing Name** Job Number : 33092 **Estimate Number** : 10892 : D32861 **Part Number** P.O. Number : NIA S.O. No. : 1/14 D3286 REV A : 6/21/2007 **Drawing Number** This Issue Project Number : N/A : NC Prsht Rev. : MA : SMALL /MED FAB **Drawing Revision** First Issue : NIM : 32514 Material Previous Run : 7/10/2007 Dûe Date Written By Checked & Approved By : Est A 04.07.14 New issue KJ/JLM Est Rev:B Now on Waterjet 06-06-16 JLM **Additional Product** Job Number: Machine Or Operation: Description: Seq. #: M304S11GA 304/316 .125 Sheet 1.0 Comment: Qty.: 0.0786 sf(s)/Unit Total: 2.3594 sf(s) 304/316 .125 Sheet M102817 FLOW WATER JET WATER JET 2.0 Comment: FLOW WATER JET 1-Cut as per Dwg D3286 Dwg Rev:_ Prog Rev: 2-Deburr if necessary 3.0 QC2

Each

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

SECOND CHECK



Comment: SECOND CHECK

BRAKE NO

QC8

4.0

NC BRAKE

Comment: NC BRAKE

Form as per Dwg D3286



Dart Aerospace Ltd

| W/O: | | WORK ORDER CHANGES | | | | | | | | | | | | | | | |
|------|------|--------------------|--|------------------|--|------------------|--|---------------------|--|---------------------|--|--------------------------|--|--|--|-------------------------------------|--------------------------|
| DATE | STEP | PROCEDURE CHANGE B | | PROCEDURE CHANGE | | PROCEDURE CHANGE | | EP PROCEDURE CHANGE | | PROCEDURE CHANGE By | | PROCEDURE CHANGE By Date | | | | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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| Part No: | PAR #: | Fault Category: | NCR: Yes No DQA: | 2) Date: 07/07/30 |
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| | | | QA: N/C Closed: | Date: |

| NCR: | | W | ORK OR | DER NON-CONFORMANC | E (NCR) | | | |
|----------|------|---|----------------------|------------------------------|----------------|--------------|-----------|--------------|
| DATE STE | | Description of NC | | Corrective Action Section B | | Verification | Approval | Approval |
| | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section C | Chief Eng | QC Inspector |
| 04/06/29 | 7.0 | R One part Scrap, Partmood when Water jet was cutting | | Scrap, destroy replace | 5AD 0406[25 | - En | | <u></u> |
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NOTE: Date & initial all entries

Thursday, 6/21/2007 2:35:03 PM Date: User: ' Kim Johnston **Process Sheet** Drawing Name: DOUBLER Customer: CU-DAR001 Dart Helicopters Services Job Number: 33092 Part Number: D32861 Job Number: Seq. #: Description: Machine Or Operation: INSPECT WORK TO CURRENT STEP 6.0 QC5 Comment: INSPECT WORK TO CURRENT STEP PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 8.0 QC21 Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



W ALDT.30

| Dart Ae | rospace | Ltd | | | | | | | |
|--------------|------------------------|------------|-----------------------------|-------------------------------|----------------|----------|-------|-------------------------------------|--------------------------|
| W /O: | | | WC | ORK ORDER CHANGES | | | | | |
| DATE | STEP | PRO | CEDURE CHAI | NGE | Ву | Date | Qty | Approval Chief Eng / Prod Mgr | Approval QC Inspector |
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| Part No | | PAR #: | Fault Categ | ory:N | CR: Yes | No DQA | ı: | _ Date: | |
| | | | | | | | ; | _ Date: | |
| NCR: | | V | ORK ORDE | R NON-CONFORMANC | E (NCR |) | | | |
| DATE | STEP Description of NC | | Corrective Action Section B | | | Verifica | ation | Anneval | A |
| DATE | STEP | Section A | Initial Chief Eng | Action Description Chief Eng | Sign & Date | Section | | Approval Chief Eng | Approval QC Inspector |
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NOTE: Date & initial all entries

| DART AEROSPACE LTD | Work Order: | 33092 |
|------------------------------|--------------|-------------|
| Description: Doubler | Part Number: | D3286-1 |
| Inspection Dwg: D3286 Rev: A | | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

| х | First Article | | Prototype |
|---|---------------|---------|-----------|
| | | <u></u> | |

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|----------------------|---------------|---------------------|--------|--------|-------------------------|----------|
| 5.374 | +/-0.010 | 5.378 | 1 | | Vern | |
| 3.974 | +/-0.010 | 3.979 | 1 | | Vern | |
| 2.000 | +/-0.010 | 1,997 | | | Vern | |
| 1.000 | +/-0.010 | 0.999 | | | Vern | |
| 0.700 | +/-0.010 | 0.704 | | | Vern | |
| Ø0.188 | +0.005/-0.001 | 00.192 | / | | Vern | |
| 0.125 | +/-0.010 | 0.119 | | | Vern Vern | |
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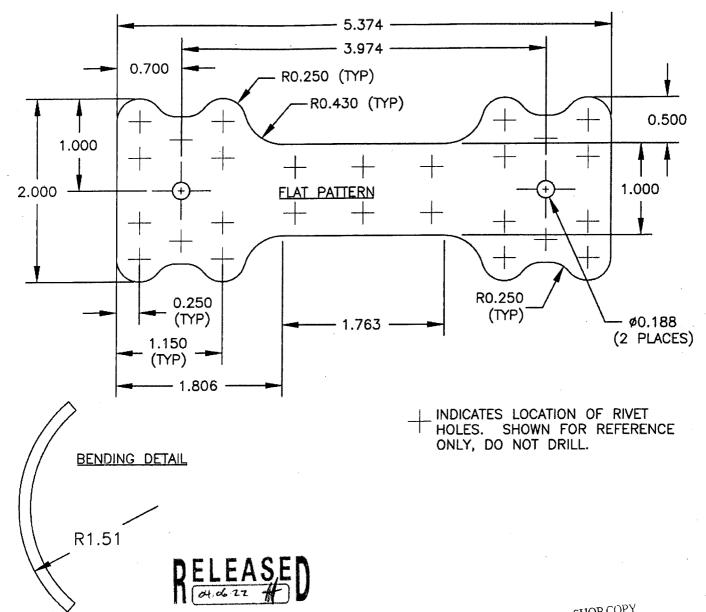
| Measured by: | SAD | Audited by: | Prototype Approval: | N/A |
|--------------|----------|-------------|---------------------|-----|
| Date: | 07/06/24 | Date: | Date: | N/A |

| Rev | Date | Change | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| Α | 06.11.07 | New Issue | KJ/JLM of | E |





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|-------|------|----------|------------------------------------|--------------|
| DESIG | N OP | DRAWN BY | DART AEROSPACE PORT HADLOCK, WA | |
| CHECK | (EQ. | APPROVED | DRAWING NO. | REV. A |
| | #- | H- | D3286 | SHEET 1 OF 2 |
| DATE | | | TILE | SCALE |
| 04.0 | 5.06 | | GROUND HANDLING PARTS | 1:1 |
| Δ | | 04.05.06 | NEW ISSUE | |



D3286-1 DOUBLER

1) MATERIAL: AISI 304/316 SS SHEET 0.125" THICK (REF DART SPEC. M304S11GA)

BREAK ALL SHARP EDGES 0.010 TO 0.020

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

ALL DIMENSIONS ARE IN INCHES

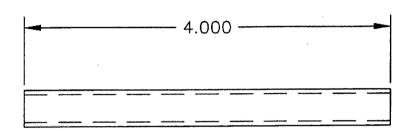
SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

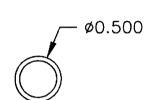
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| DESIGN | DRAWN BY | DART | AEROSPACE PORT HADLOCK, W | |
|----------|-------------|----------------------|------------------------------|------------------------|
| CHECKED | APPROVED, | DRAWING NO. D3286 | | REV. A SHEET 2 OF 2 |
| DATE | <u>I IX</u> | TITLE | | SCALE SCALE |
| 04.05.06 | _ | GROUND I | HANDLING PARTS | 1:1 |





D3286-3 SPACER

- 1) MATERIAL: AISI 304/316 SS TUBING, 0.500 O.D. x 0.049 WALL (REF DART SPEC. M304TR0.500W.049)
- 2) BREAK ALL SHARP EDGES 0.010 TO 0.020
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED 4) ALL DIMENSIONS ARE IN INCHES

SHOP COPY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE

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